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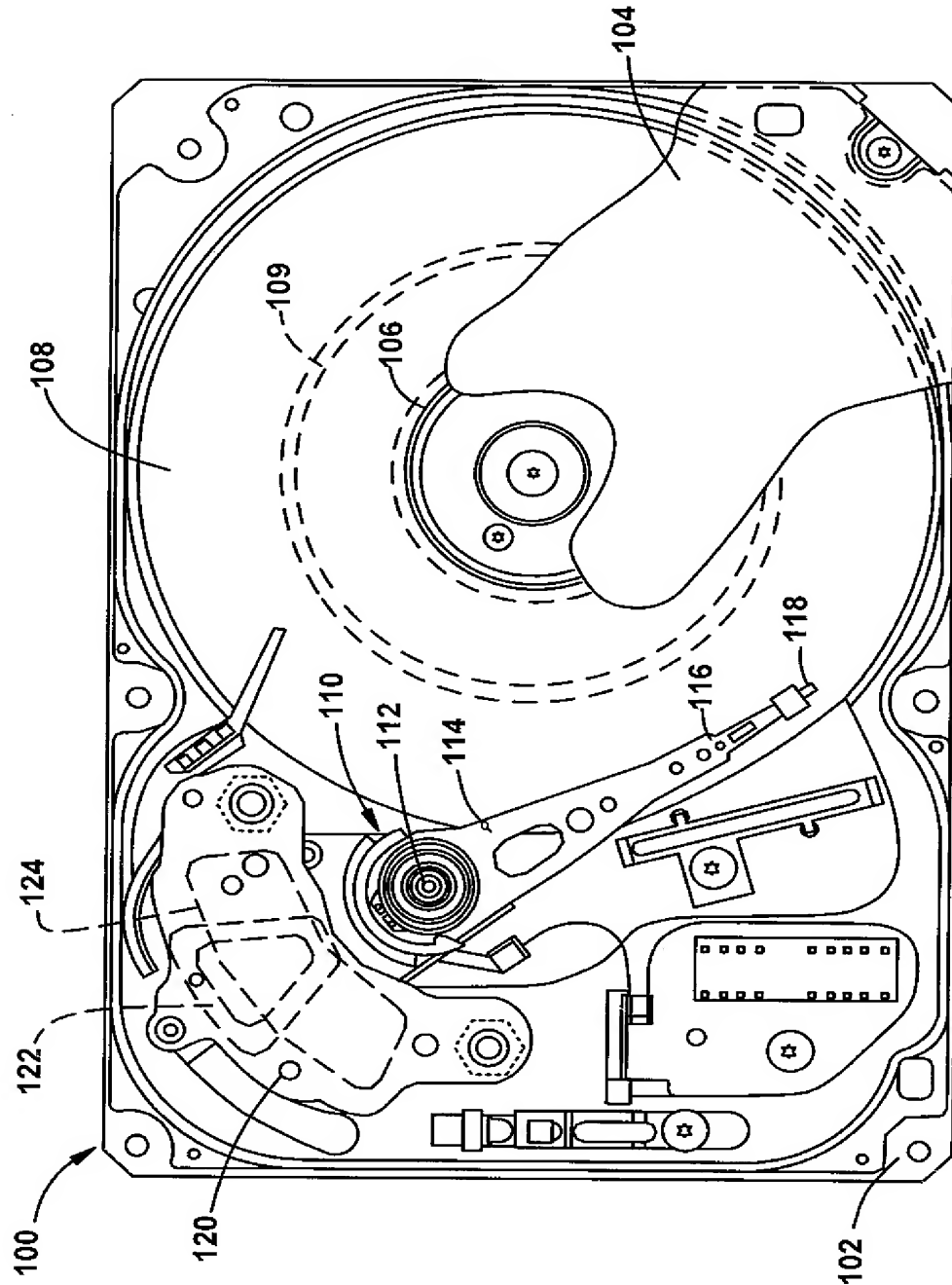


FIG. 1

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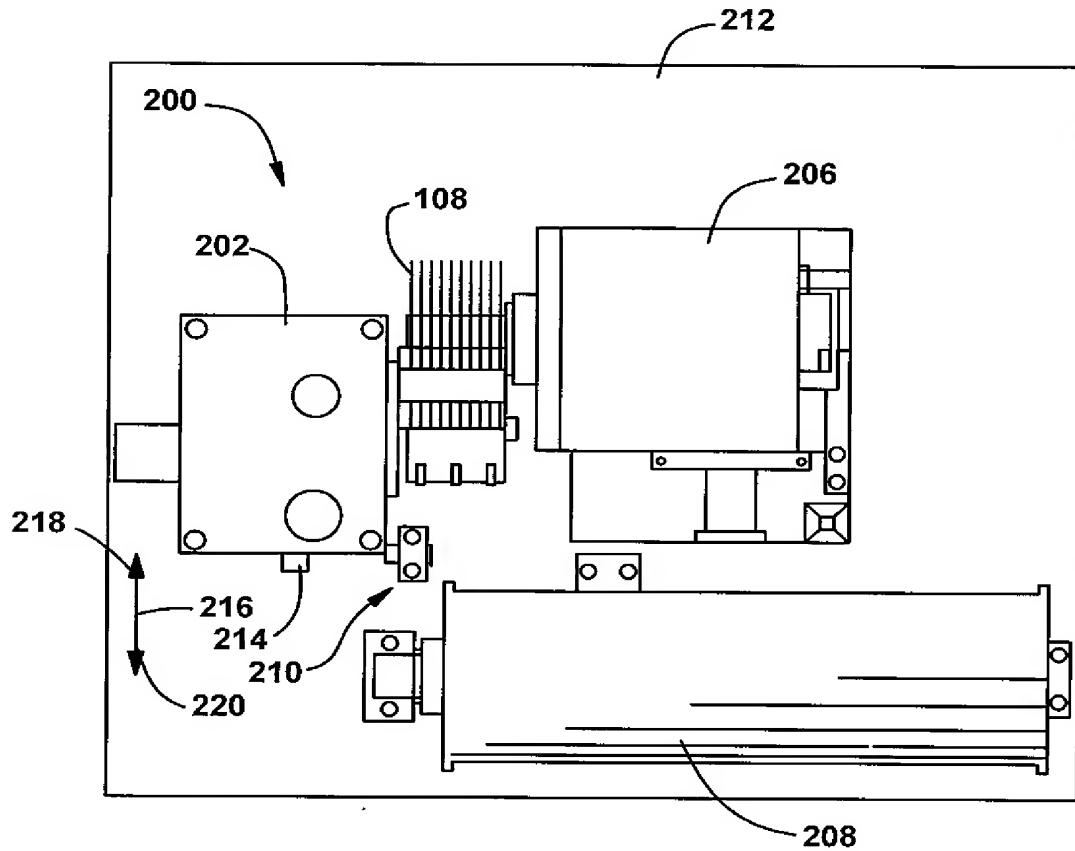


FIG. 2

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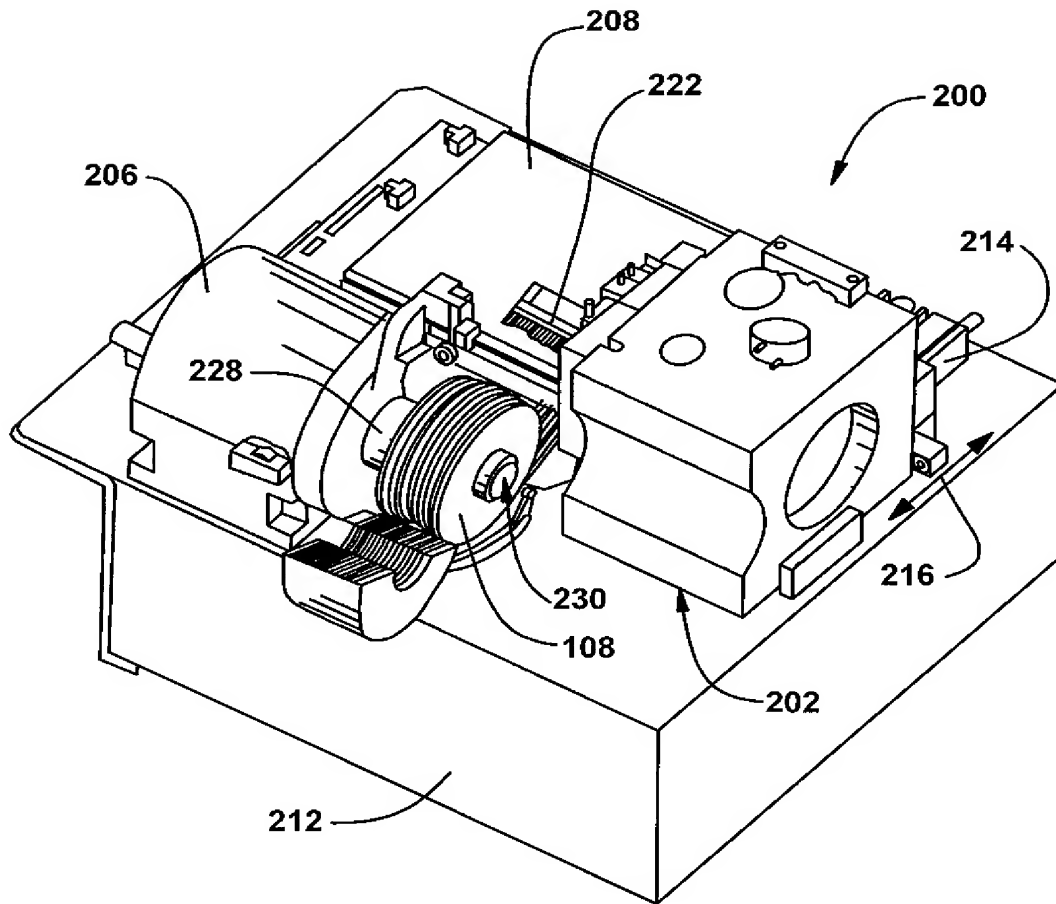


FIG. 3



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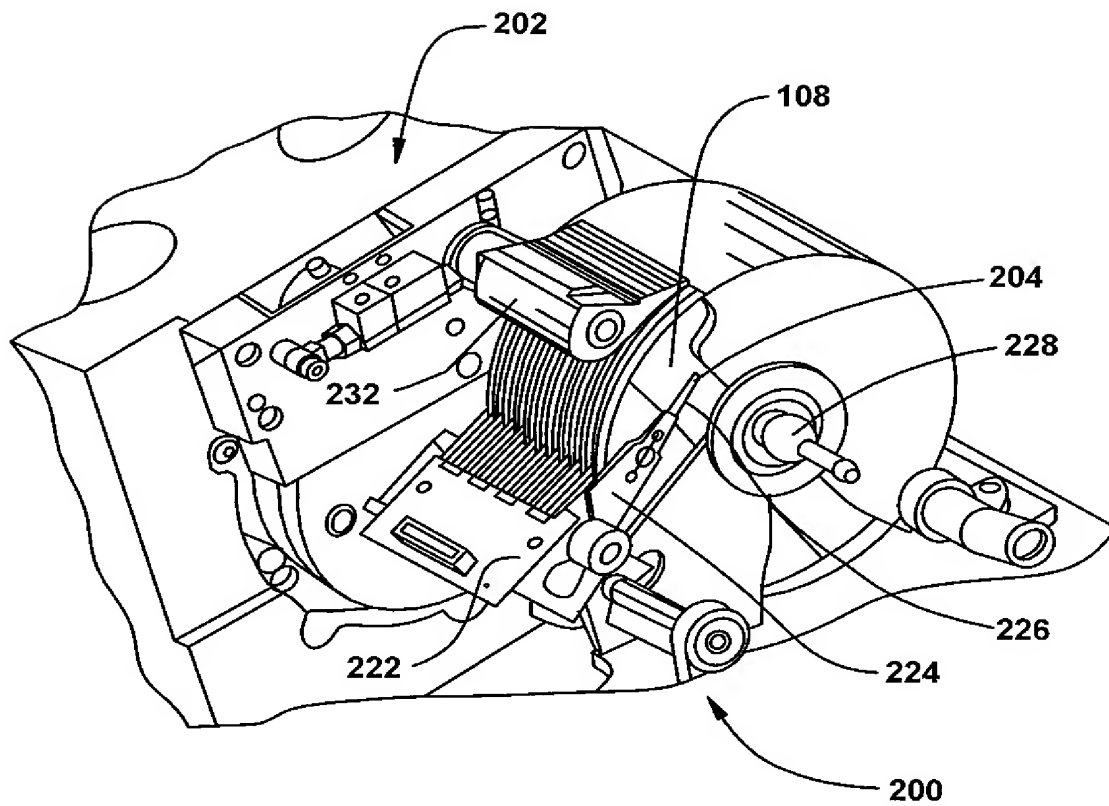
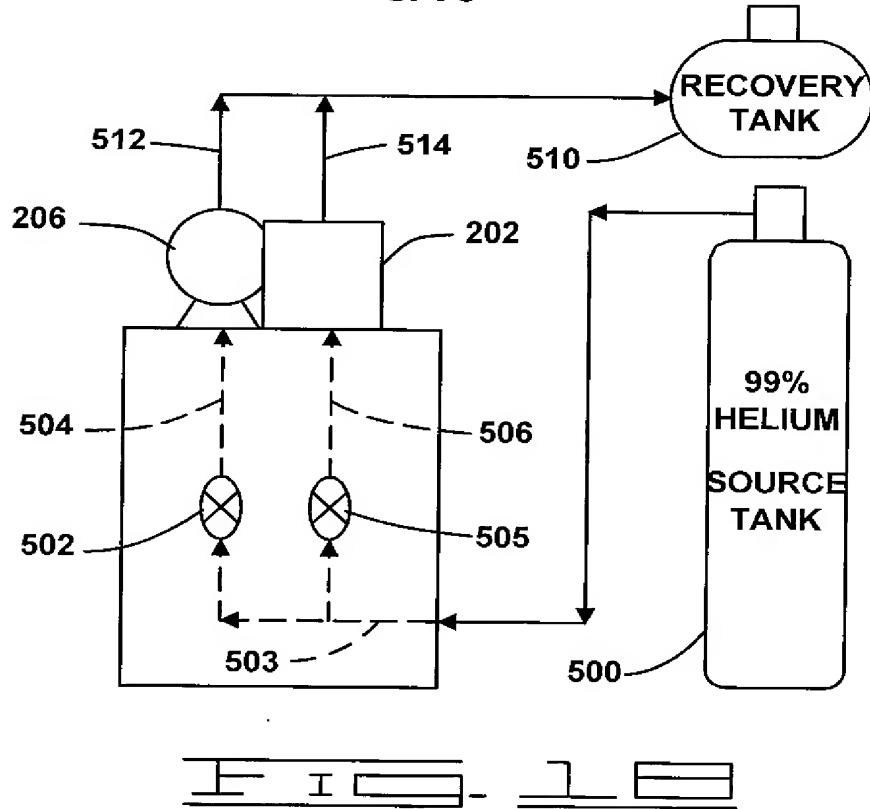


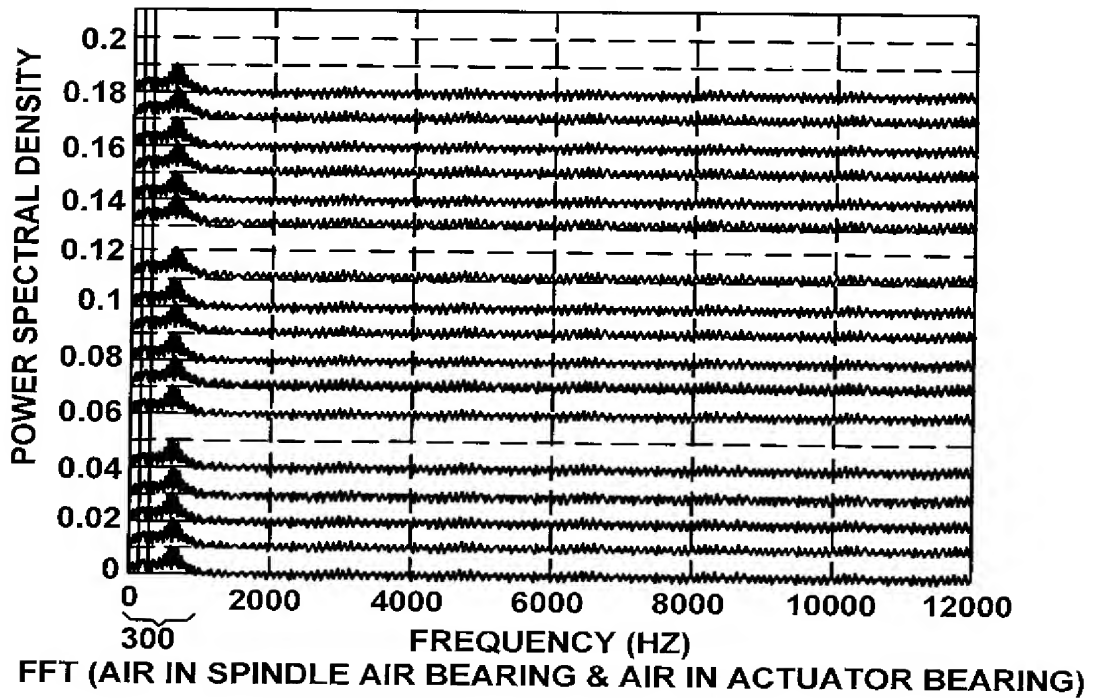
FIG. 4

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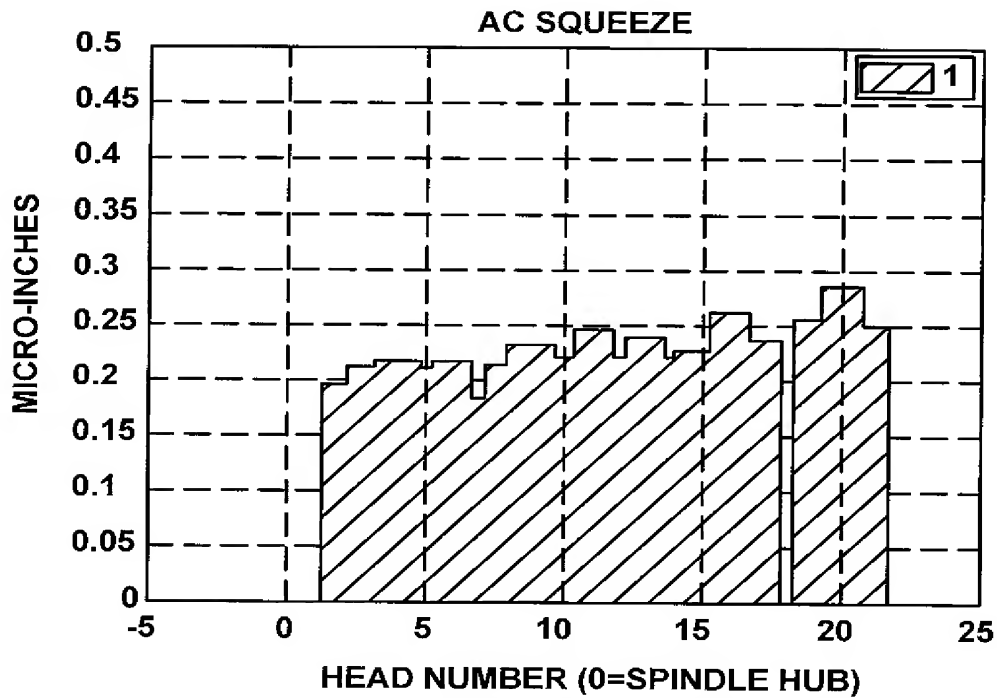


PASS DATA AT STARTING TRACK OR ZONE # 1 HEADS  
 2 3 4 5 6 7 8 9 10 11 12 13 14 15

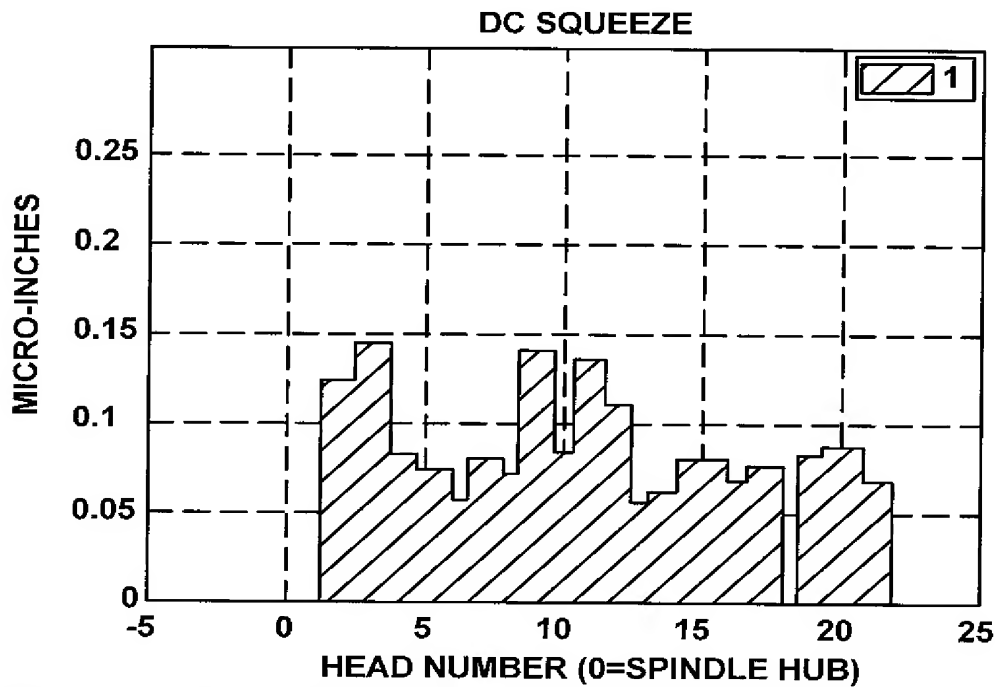
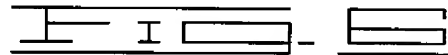


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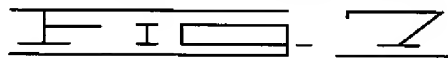
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**AIR SQUEEZE (AIR IN SPINDLE AIR BEARING & AIR IN ACTUATOR BEARING)**



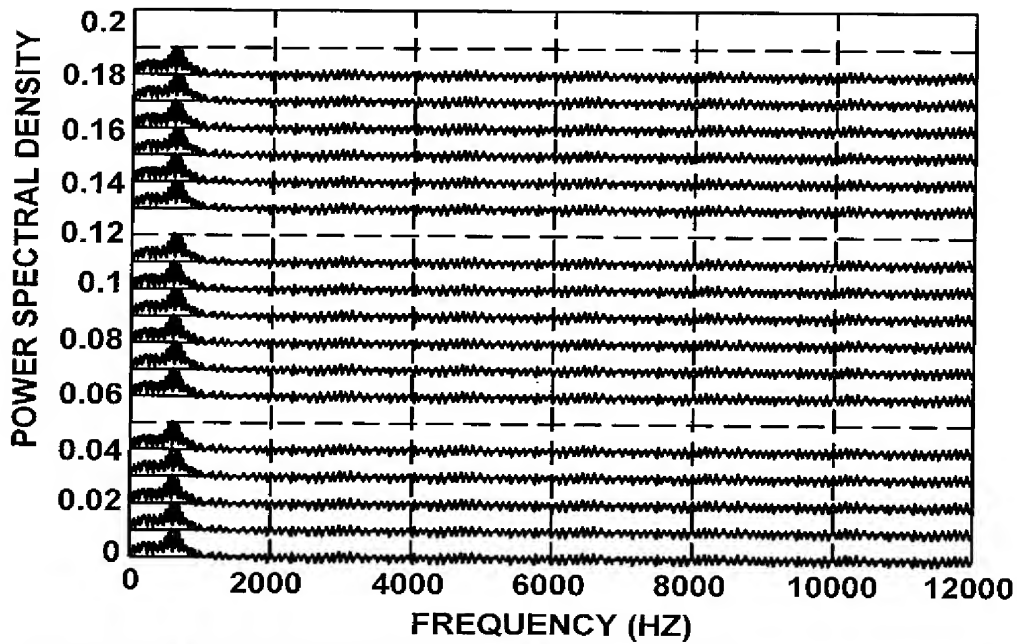
**DC SQUEEZE (AIR IN SPINDLE AIR BEARING & AIR IN ACTUATOR BEARING)**



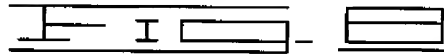
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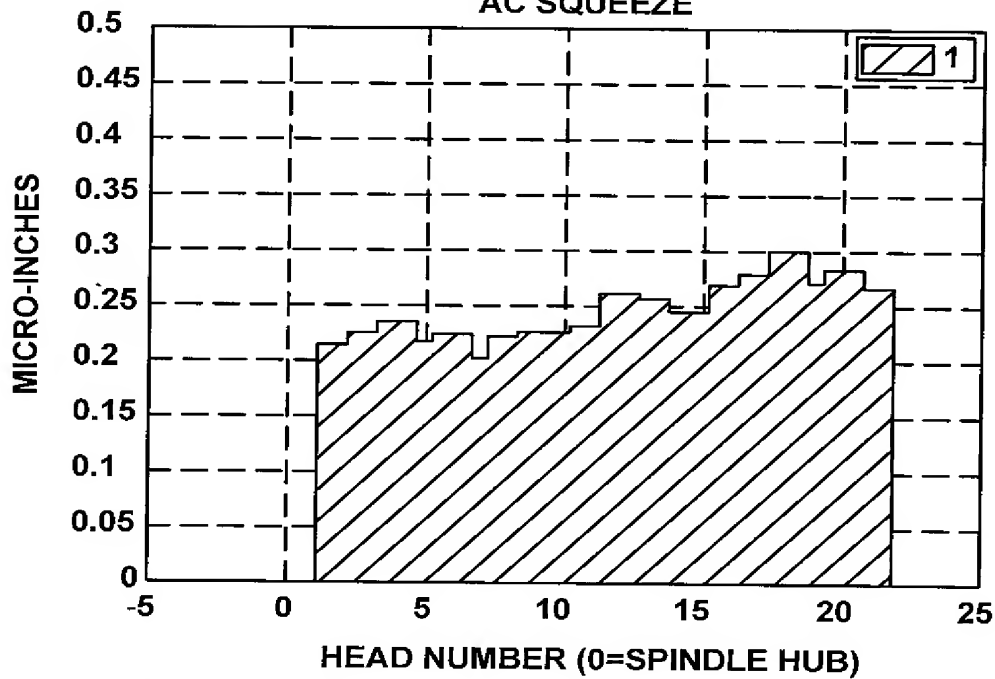
PASS DATA AT STARTING TRACK OR ZONE # 1 HEADS  
 2 3 4 5 6 7 8 9 10 11 12 13 14 15



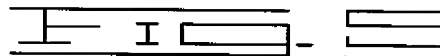
FFT (AIR IN SPINDLE AIR BEARING & AIR IN ACTUATOR BEARING)



AC SQUEEZE



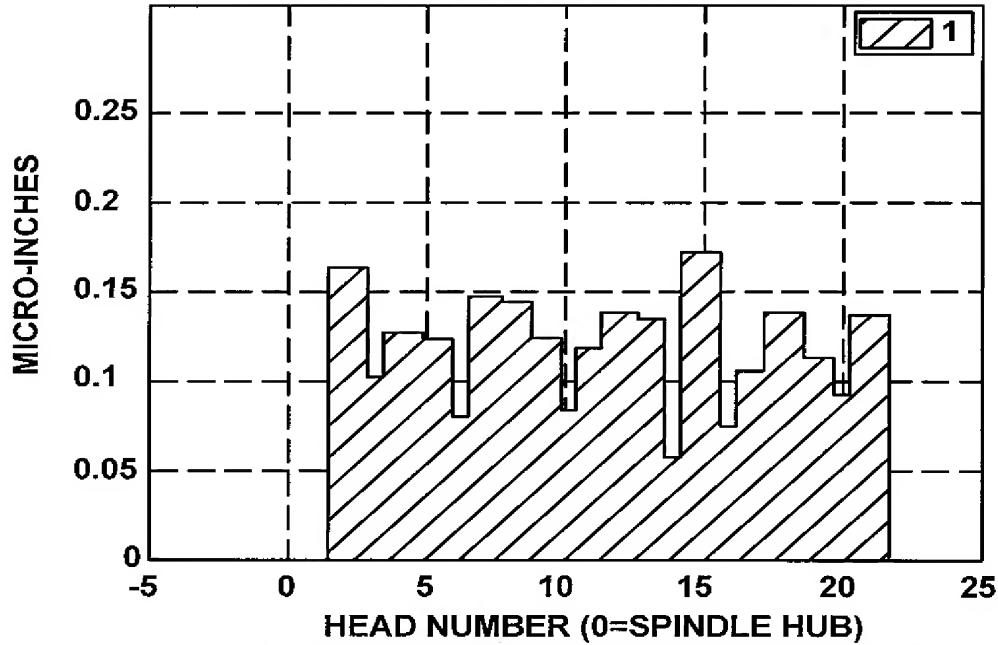
AC SQUEEZE (AIR IN SPINDLE AIR BEARING & AIR IN ACTUATOR BEARING)



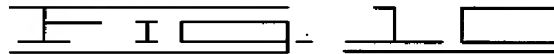
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DC SQUEEZE

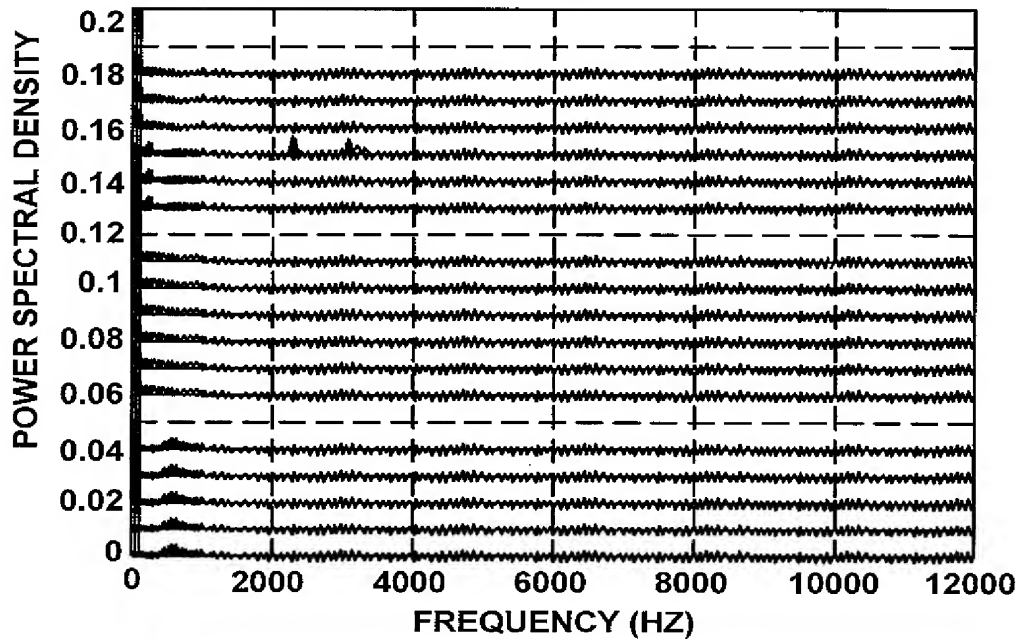


DC SQUEEZE (AIR IN SPINDLE AIR BEARING & AIR IN ACTUATOR BEARING)

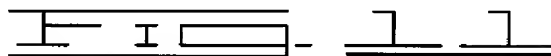


PASS DATA AT STARTING TRACK OR ZONE # 1 HEADS

2 3 4 5 6 7 8 9 10 11 12 13 14 15



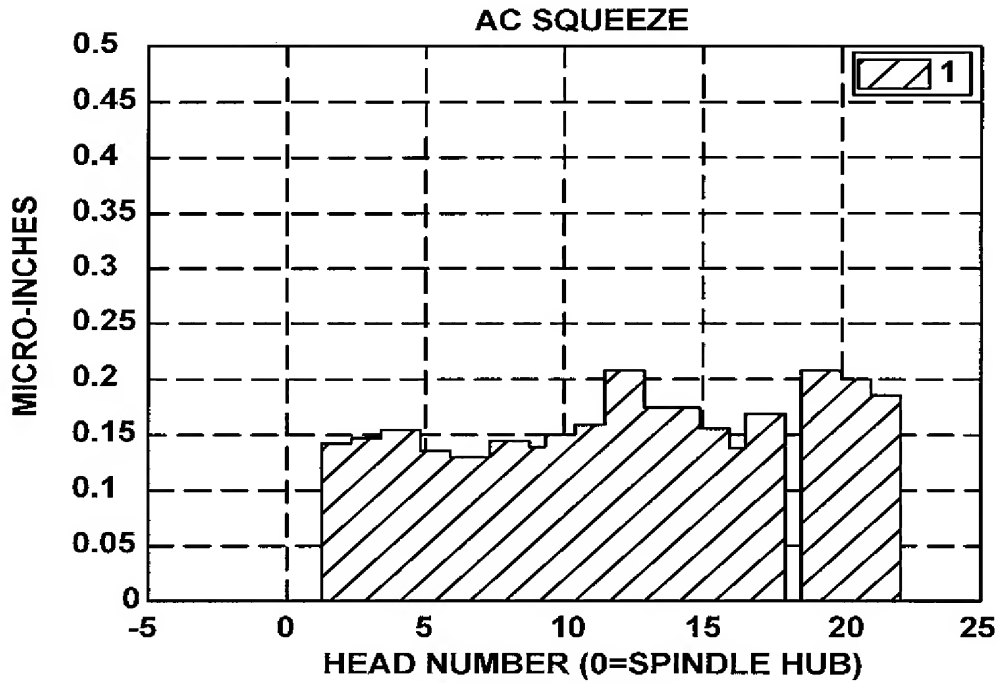
FFT (HELIUM IN SPINDLE AIR BEARING & HELIUM IN ACTUATOR BEARING)



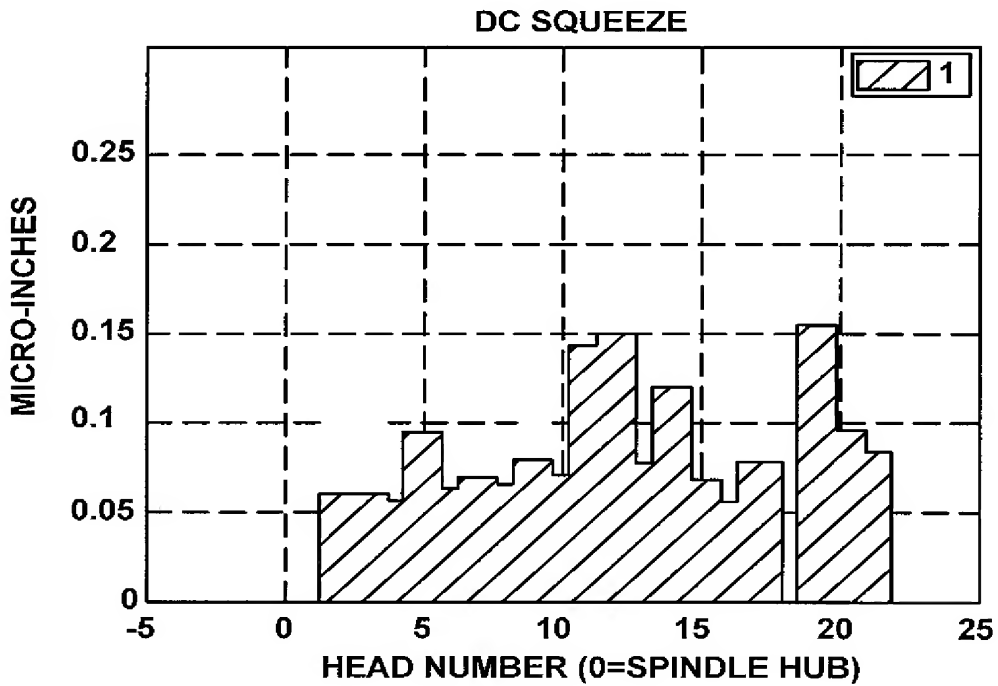
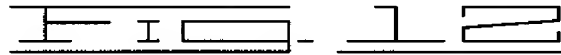
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**AC SQUEEZE**  
 (HELIUM IN SPINDLE AIR BEARING & HELIUM IN ACTUATOR BEARING)



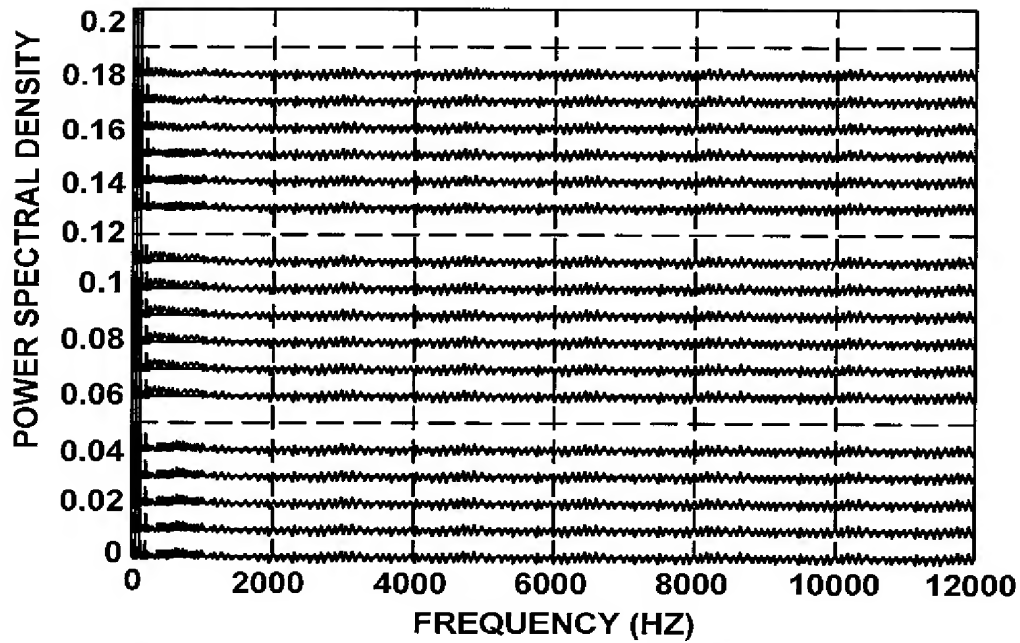
**DC SQUEEZE**  
 (HELIUM IN SPINDLE AIR BEARING & HELIUM IN ACTUATOR BEARING)



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PASS DATA AT STARTING TRACK OR ZONE # 1 HEADS  
2 3 4 5 6 7 8 9 10 11 12 13 14 15

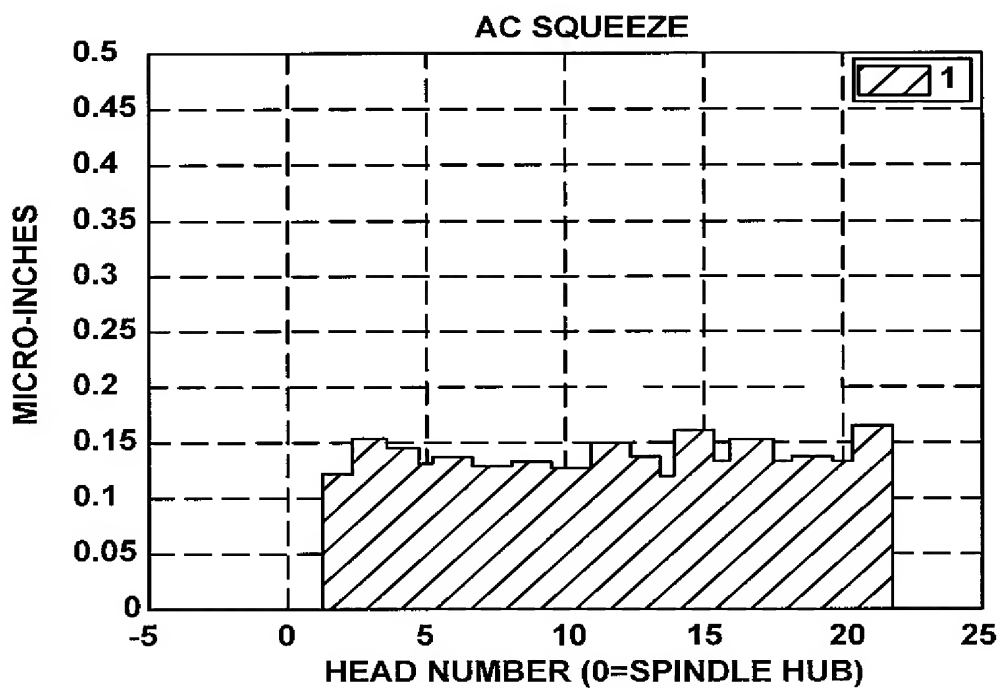


FFT (HELIUM IN SPINDLE AIR BEARING & HELIUM IN ACTUATOR BEARING)

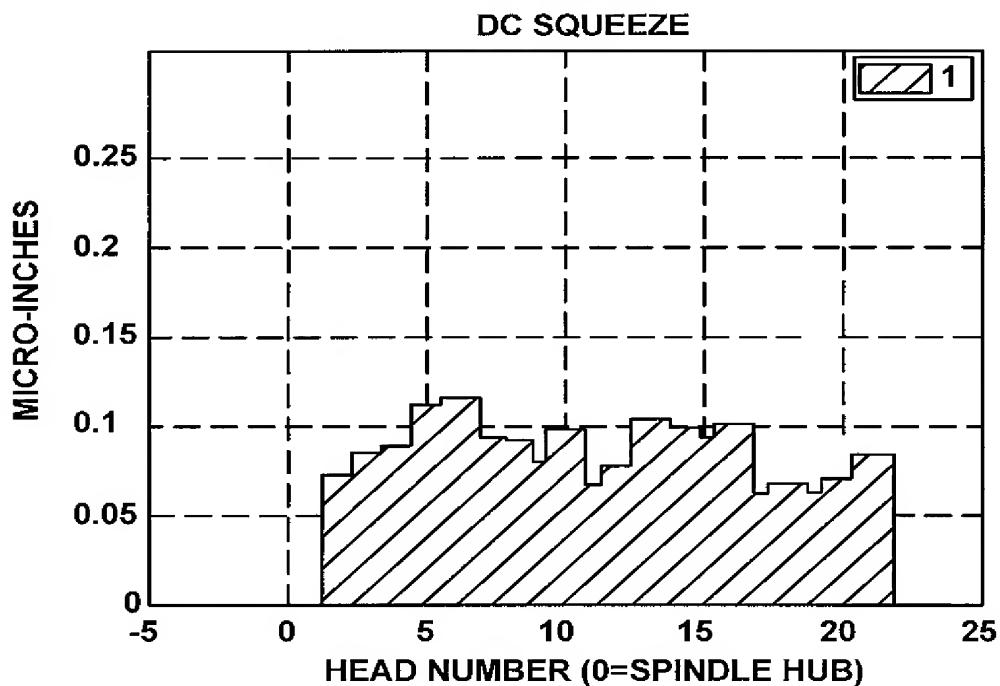
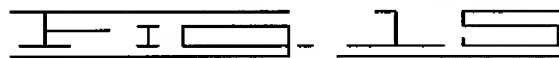
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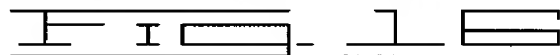
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**AC SQUEEZE**  
 (HELIUM IN SPINDLE AIR BEARING & HELIUM IN ACTUATOR BEARING)



**DC SQUEEZE**  
 (HELIUM IN SPINDLE AIR BEARING & HELIUM IN ACTUATOR BEARING)



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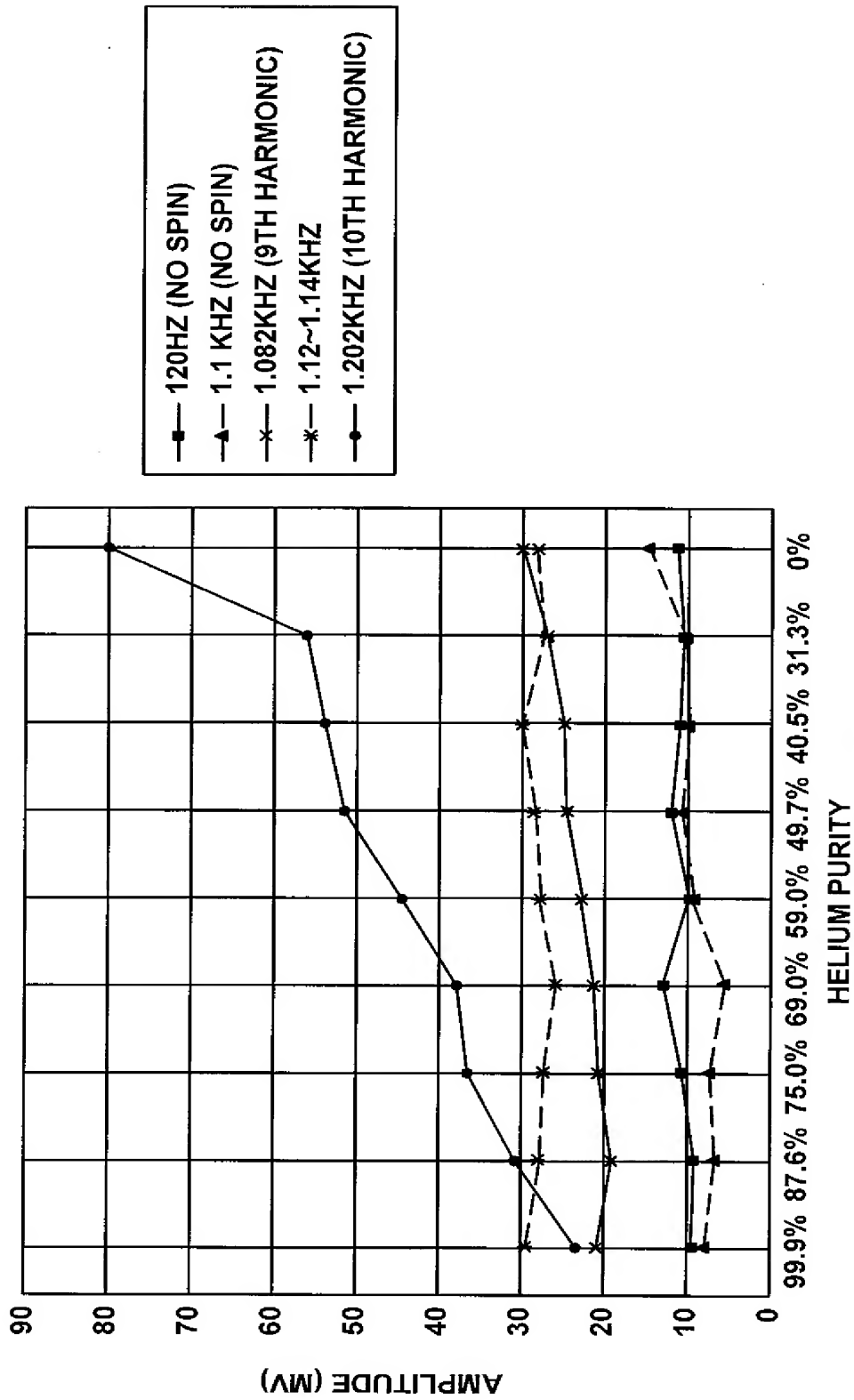
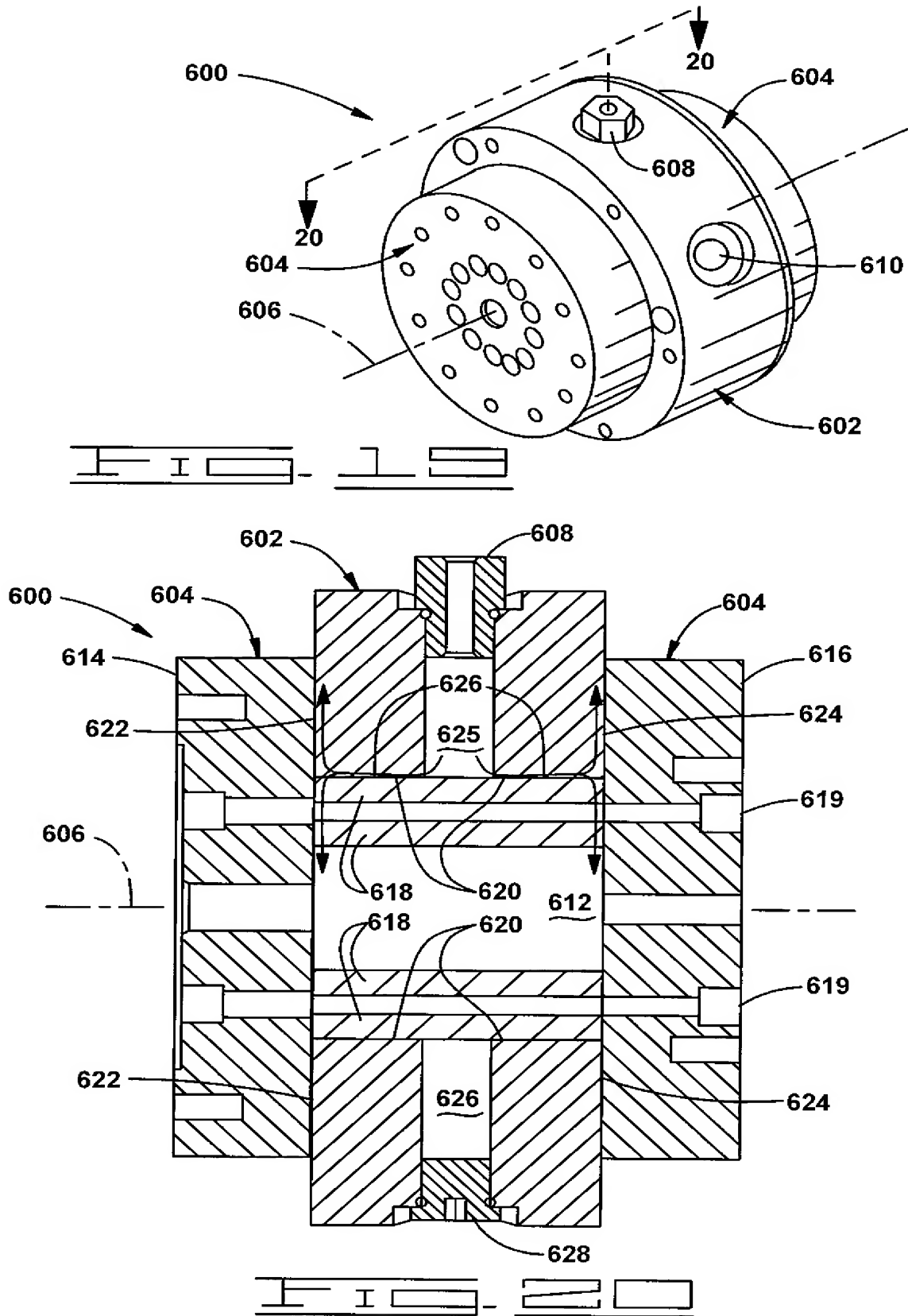


FIG. 17

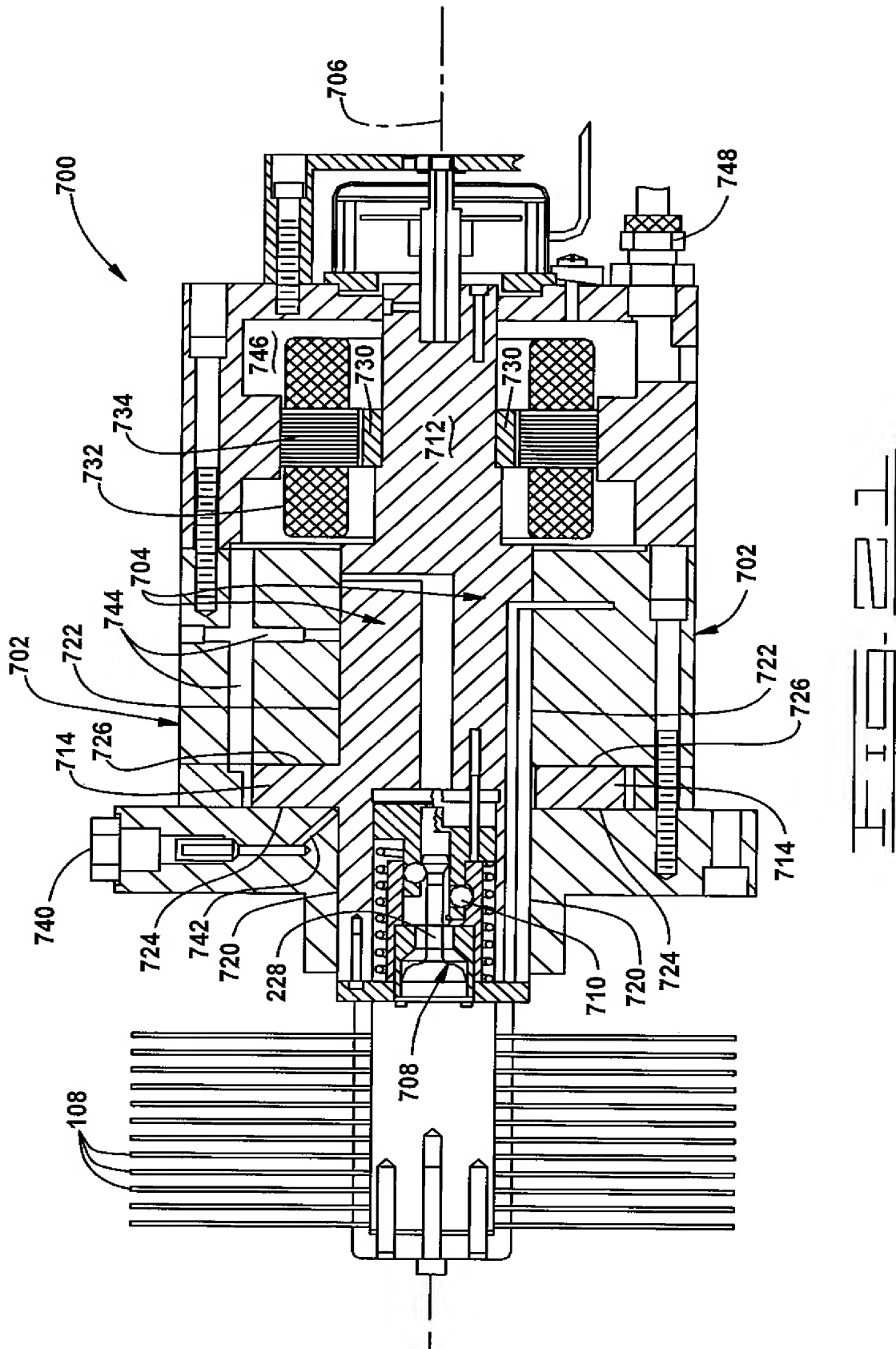
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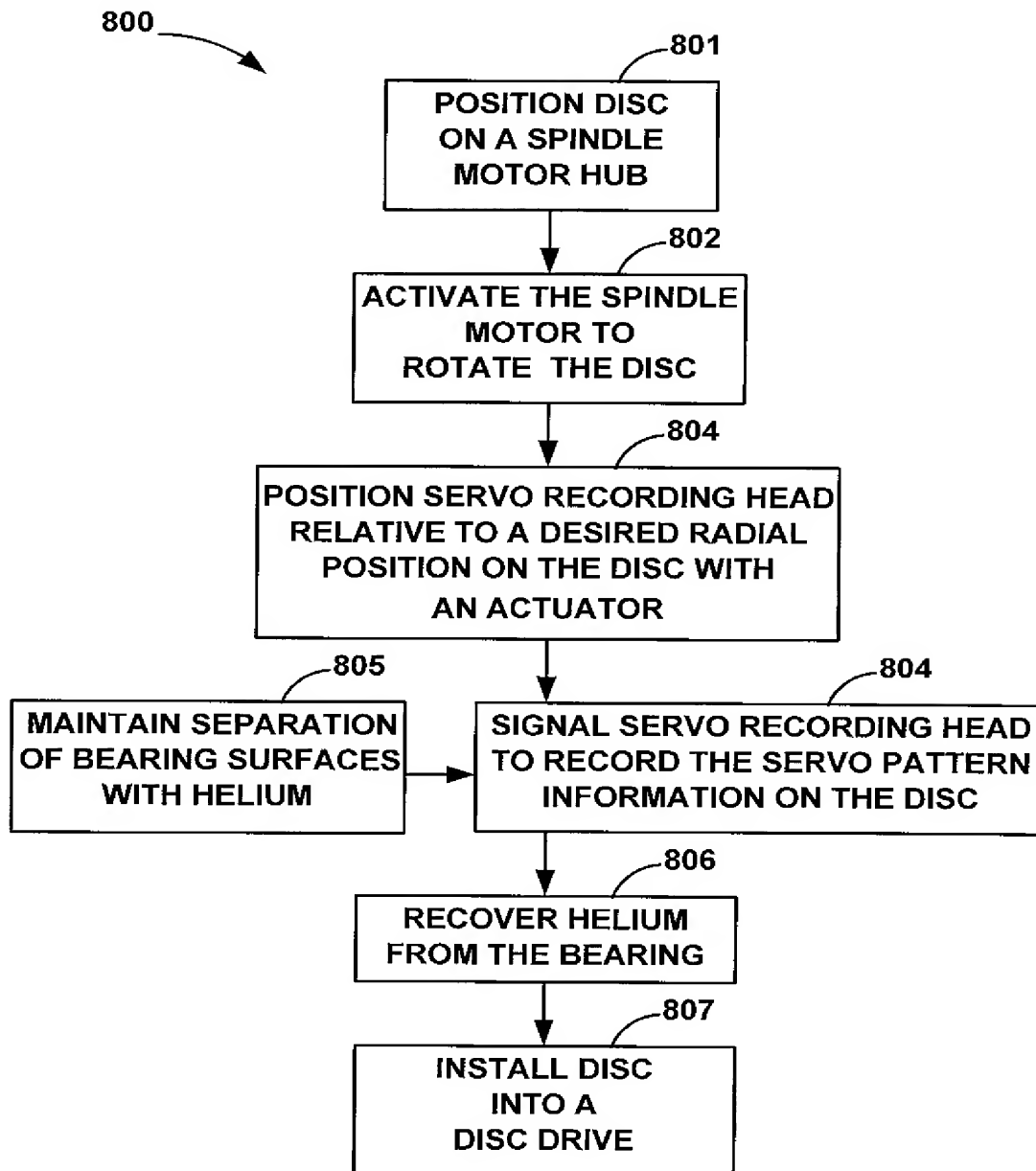


FIG. 22

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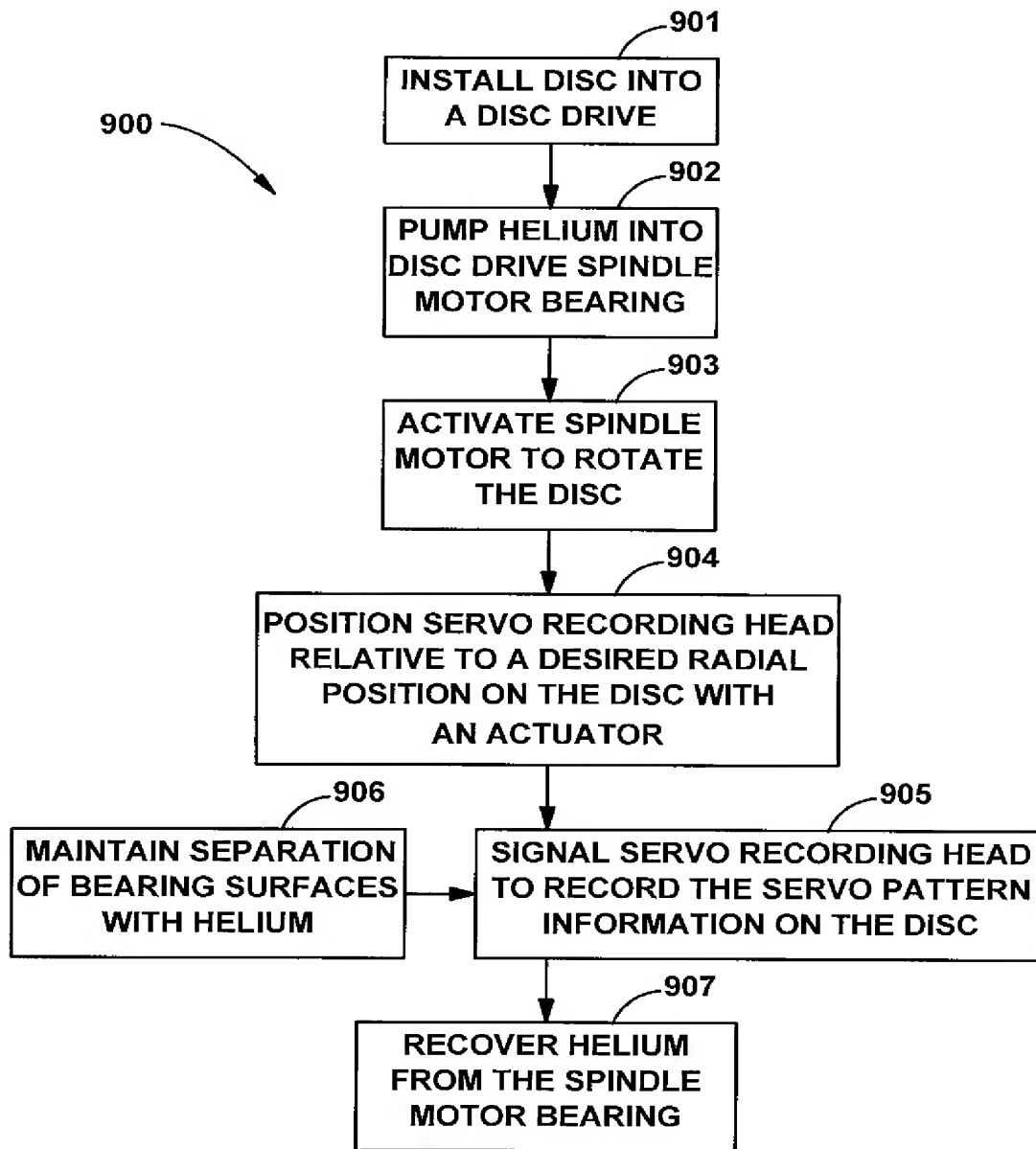


FIG. 23

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